AMENDMENTS TO THE CLAIMS

Please amend claim 1, cancel claims 2 and 5-19 without prejudice or disclaimer, and add claim 20. The below listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) A genetic screening method that is useful or predictive for a predisposition to Alzheimer's disease or diagnostic of Alzheimer's disease in a human subject, the method comprising analysing a DNA bearing sample taken from said subject ~~animal~~ to determine the allelic variants present at one or more of the SNP loci at positions -1082 of the gene encoding IL-10, wherein a polymorphism selected from the group consisting of a G to A substitution at position –1082 is determined and the substitution is useful or predictive for a predisposition to Alzheimer's disease or diagnostic of the presence of Alzheimer's disease.

2. (Canceled)

3. (Previously presented) A method according to claim 1 which further comprises analysing the sample to determine the presence of a -174C allele for the gene encoding IL-6 and Apo-E 4 carrier status.

4. (Previously presented) A method according to claim 3, which further comprises analysing the sample to determine the presence of the -1082A allele for the gene encoding IL-1.

5-20. (Canceled)

21. (New) A genetic screening method that is predictive or diagnostic of Alzheimer's disease in a subject, the method comprising analysing a DNA sample from said subject to determine the allelic variants present at SNP loci position -1082 of the gene encoding IL-10, the presence of a -174C allele for the gene encoding IL-6, and Apo-E 4 carrier status,

wherein the presence of a polymorphism selected from the group consisting of a G to A substitution at position –1082, the presence of a -174C allele for the gene encoding IL-6, and the presence of a Apo-E 4 allele in the DNA sample is predictive or diagnostic of Alzheimer's disease in the subject.